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PICProto64 Prototyping Board

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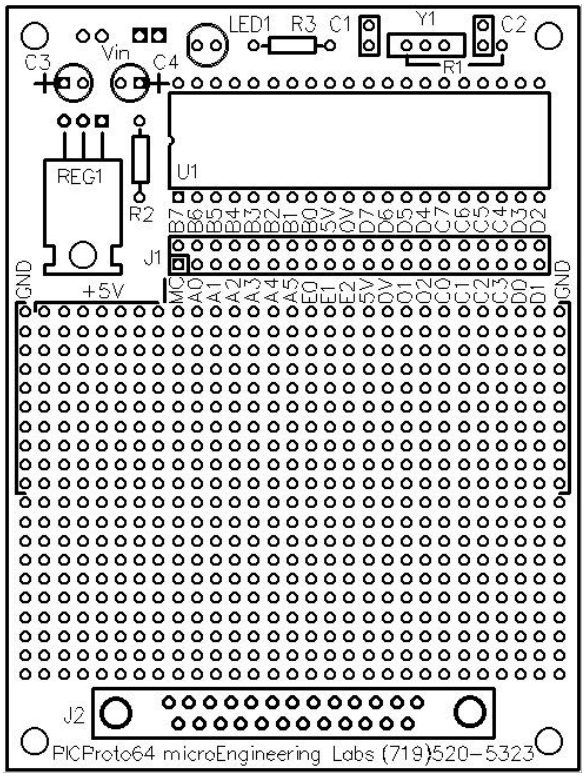
Jameco Part Number
132652

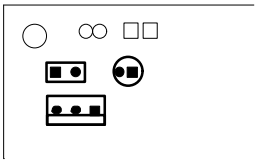


- High quality double-sided board
- Solder mask both sides
- More than 700 plated-through holes
- 4 mounting holes
- Overall dimensions 3" X 4"

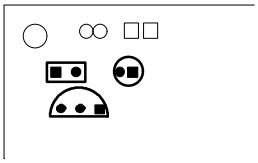
U1 - PIC16C64, 65, 67, 661, 662, 74, 77, 774, 16F874, or 877
Y1 - crystal or ceramic resonator
C1, 2 - crystal capacitors
C3 - bypass capacitor
C4 - input capacitor
REG1 - 5 volt regulator
LED1 - LED
R1 - RC oscillator resistor
R2 - Master Clear resistor
R3 - LED series resistor
J1 - PIC I/O connector
J2 - DB9, 15, or 25

Vdd - plus 5 volt buss
GND - ground buss

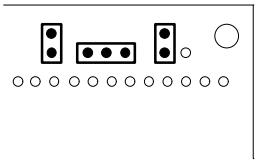
Parts Placement:



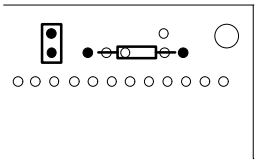
TO-220 Regulator
REG1 = 7805T
C3 = .01 - .1uf
C4 = .1 - 10uf



TO-92 Regulator
REG1 = 78L05
C3 = .01 - .1uf
C4 = .1 - 10uf



Crystal or Ceramic Resonator
Y1 = DC - 20MHZ
C1, 2 = 5 - 22pf



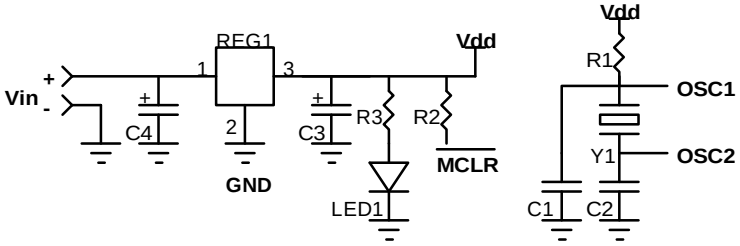
RC Oscillator
5k ≤ R ≤ 100K
C1 ≥ 20pf
C2 = none

Assembly Notes:

Pin 1 of U1 is marked with a square pad.
Note polarity of Vin, REG1, LED1 and any polarized capacitors.

Don't forget to pull-up Master Clear to Vdd.
All unused inputs should be tied to Vdd or ground.

Schematic:



Sources:

PICmicro documentation is available from:
Microchip Technology Inc.
2355 West Chandler Blvd.
Chandler AZ 85224-6199
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www.microchip.com

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